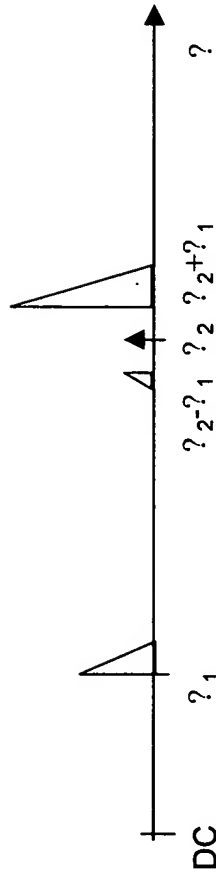
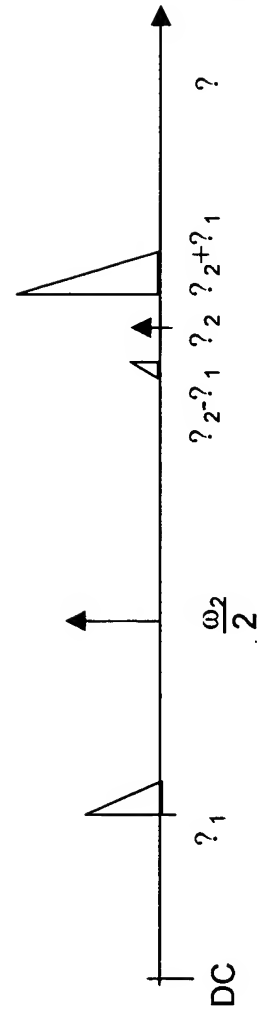


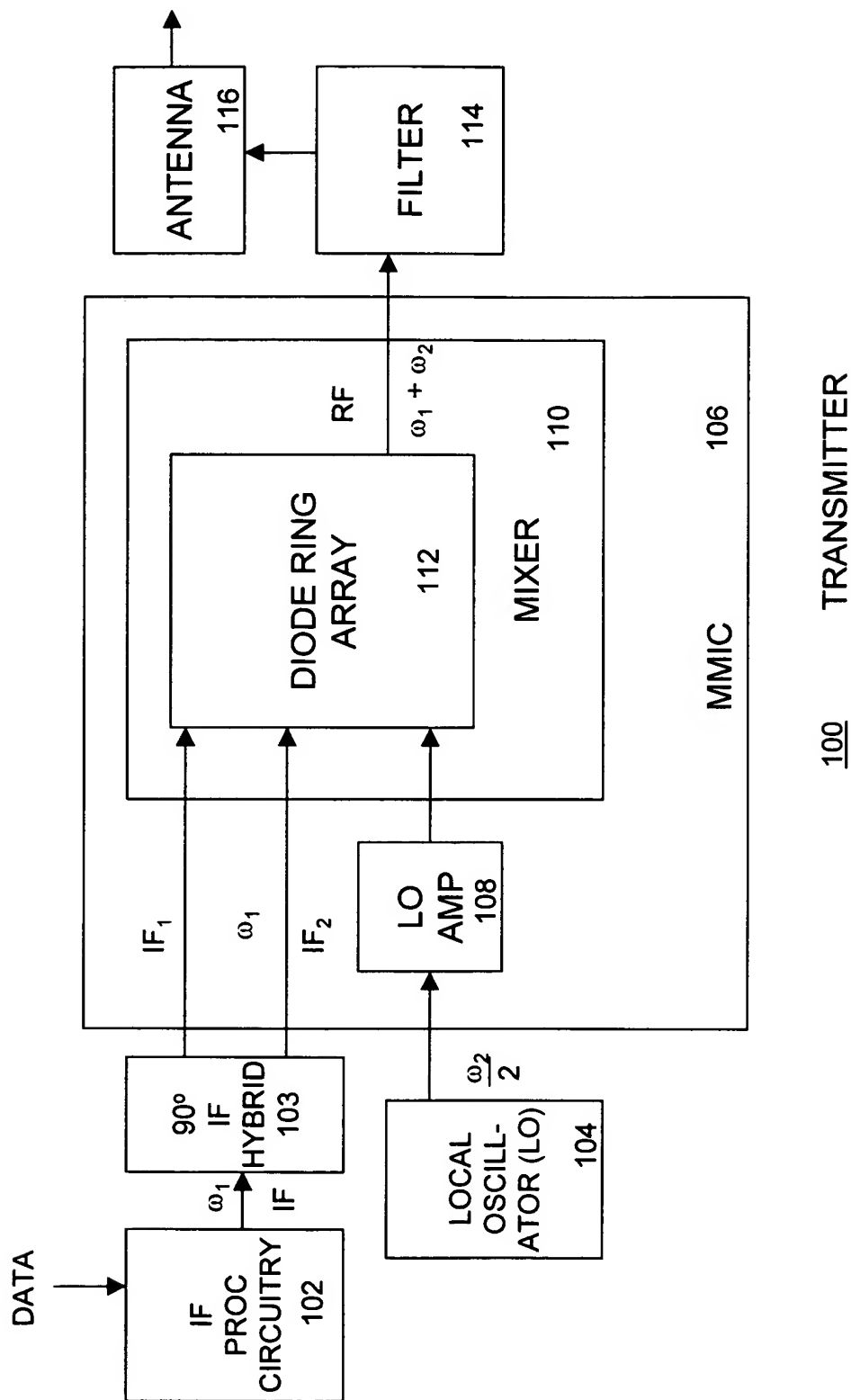
**FIG. 1**



**FIG. 2**



**FIG. 3B**



**FIG. 3A**

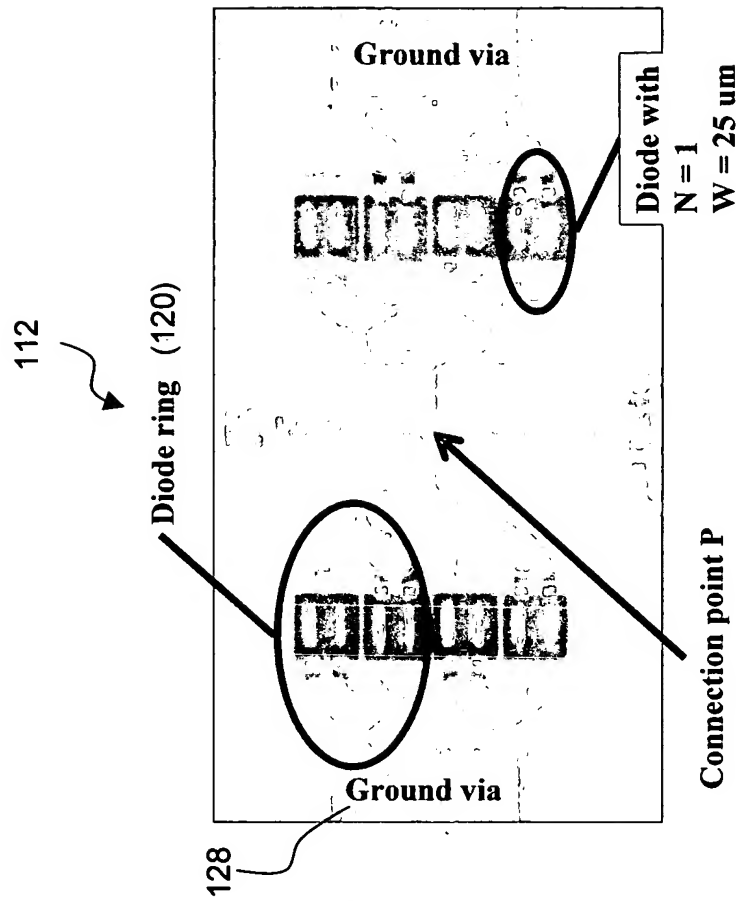


FIG. 5A

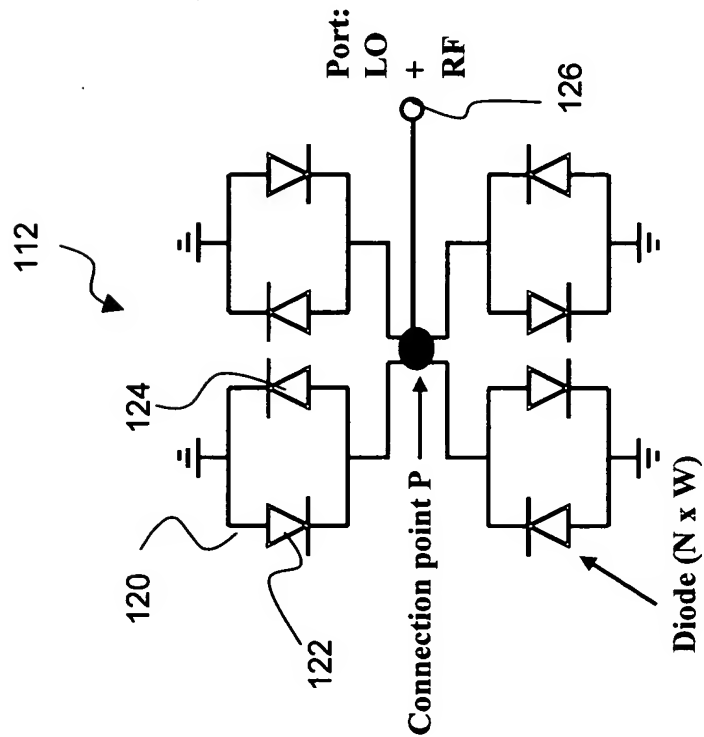
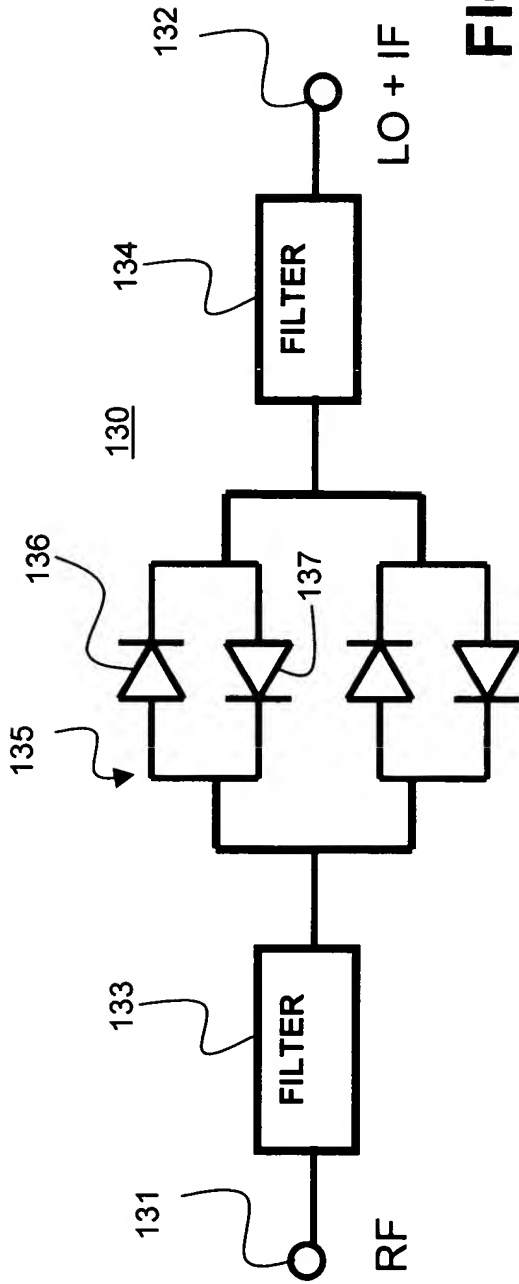
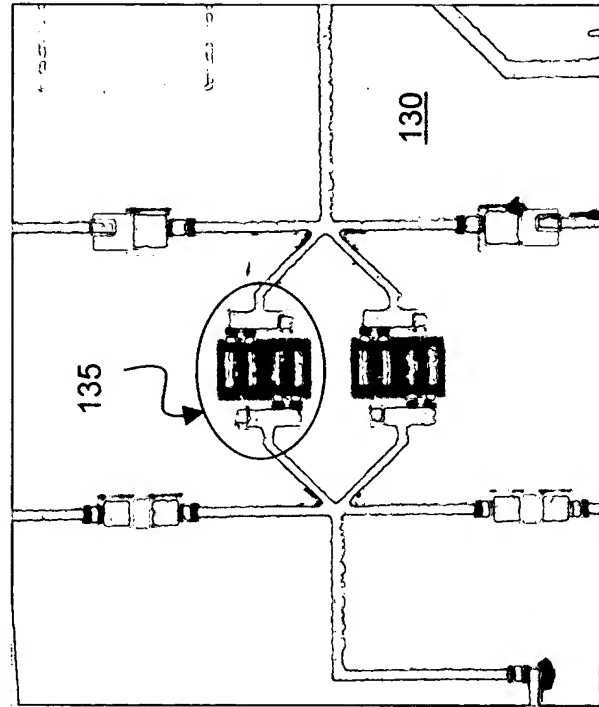


FIG. 4A



**FIG. 4B**



**FIG. 5B**

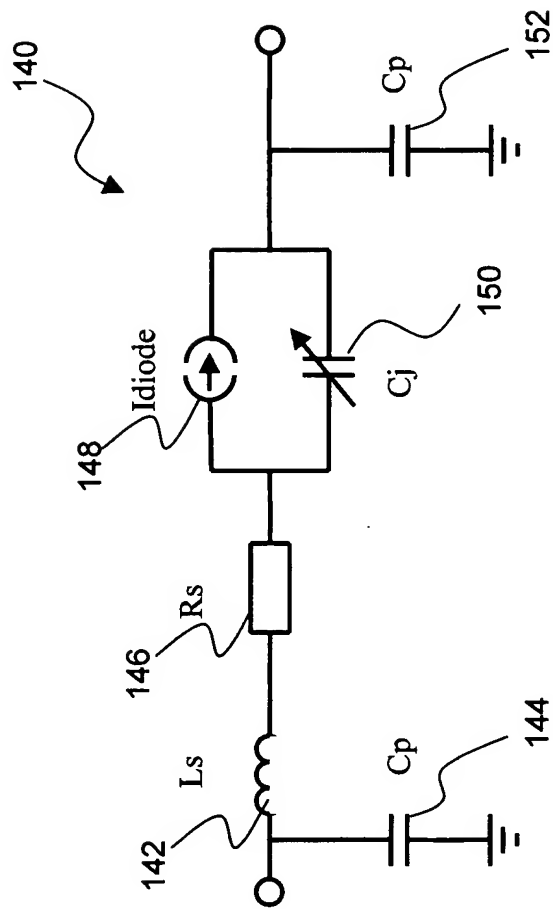
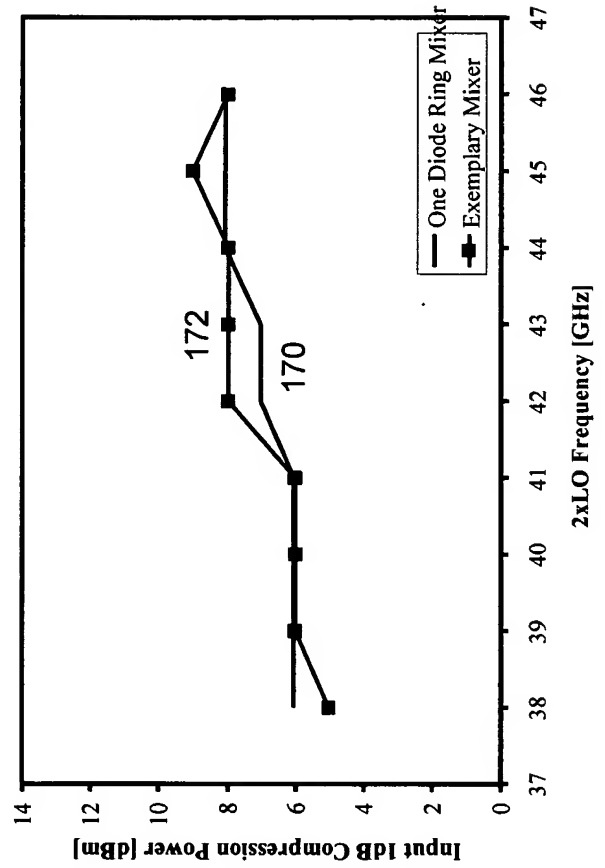
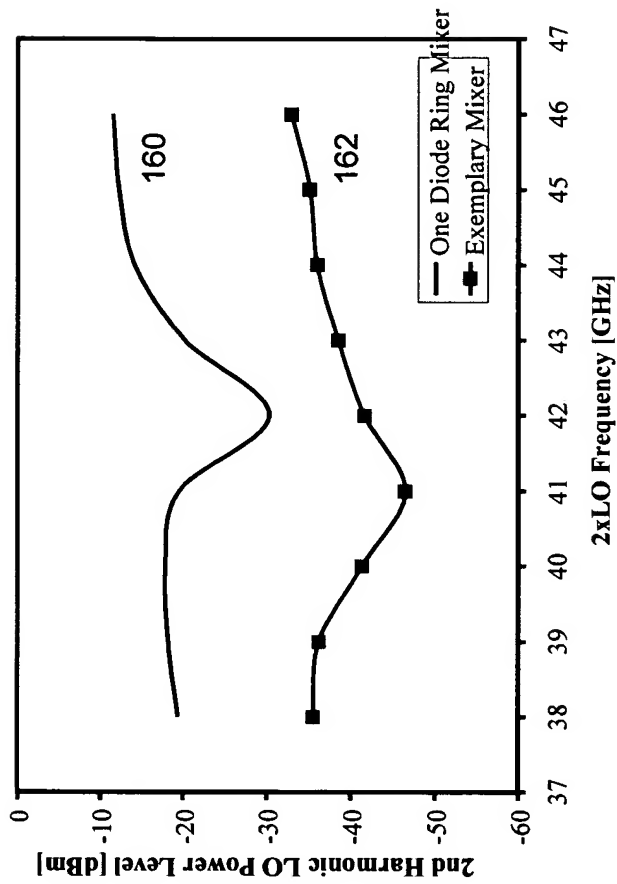
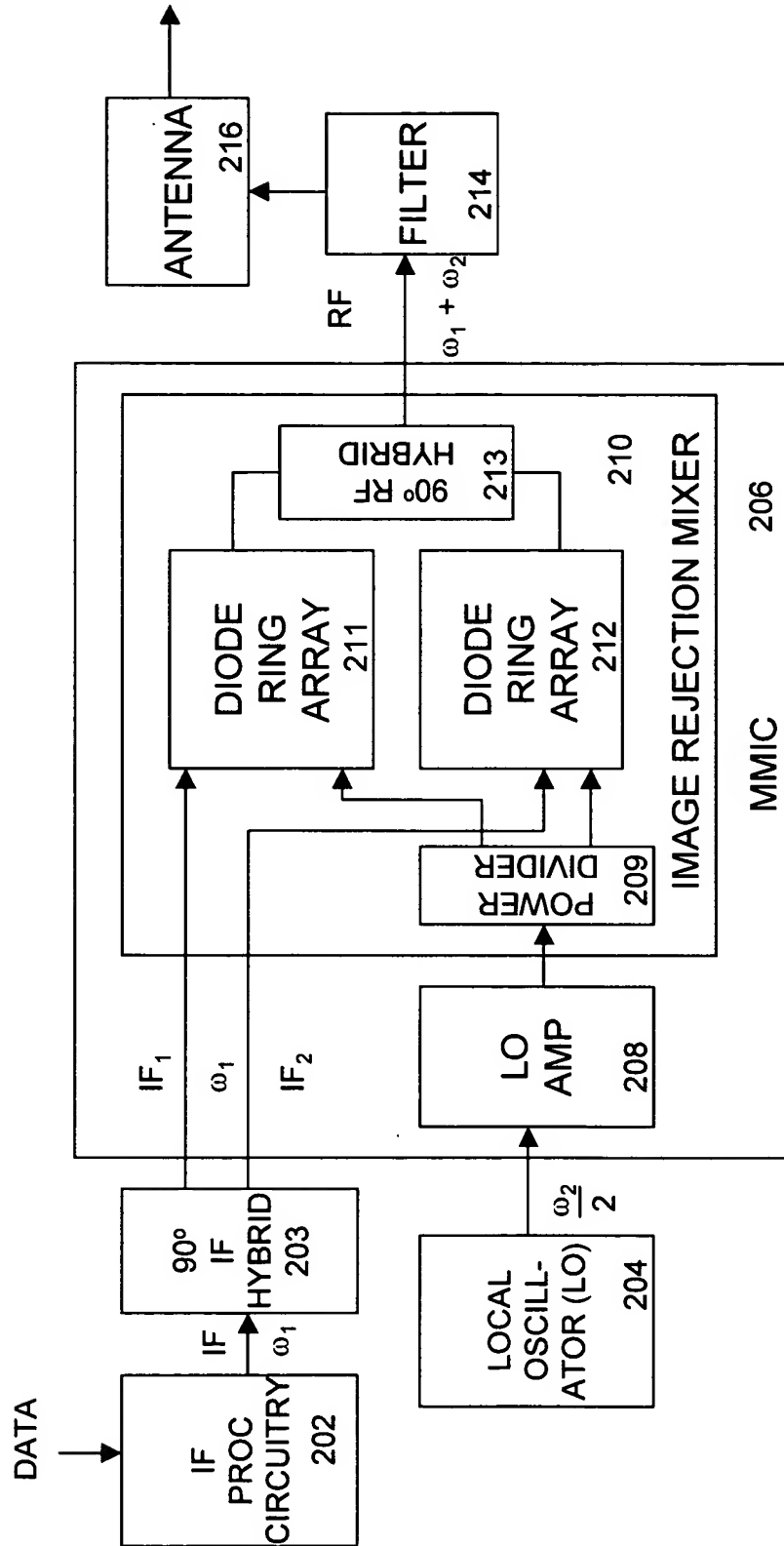


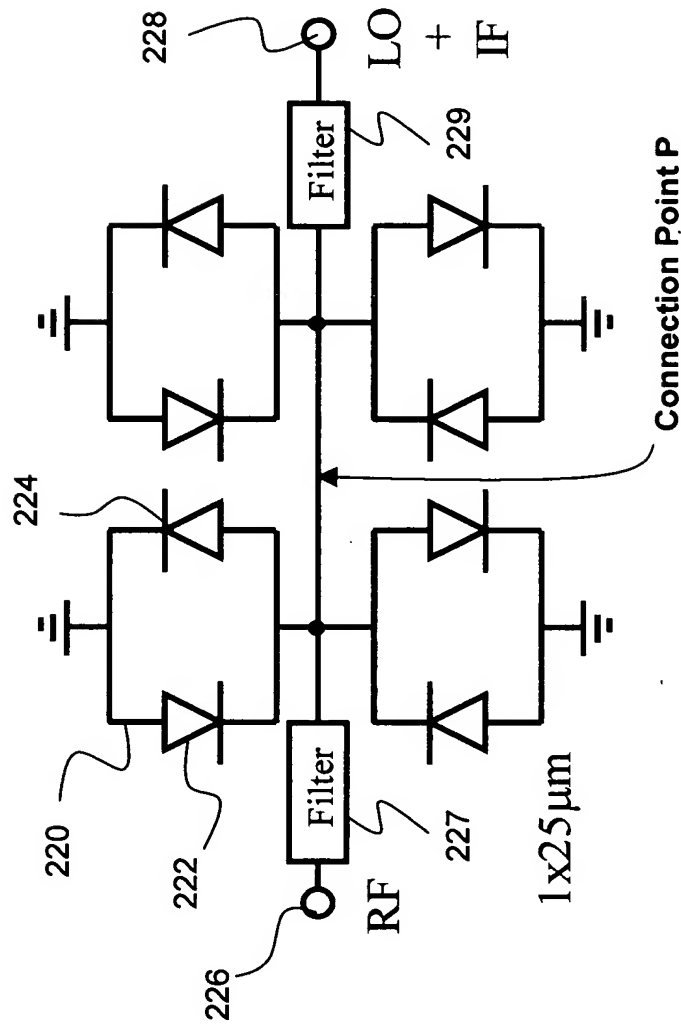
FIG. 6





200 TRANSMITTER

FIG. 9



**FIG. 10**



Performance of Parallel Connected Mixer  
 $\eta F = 2.1 \text{ GHz}$ ; PLO = 20 dBm

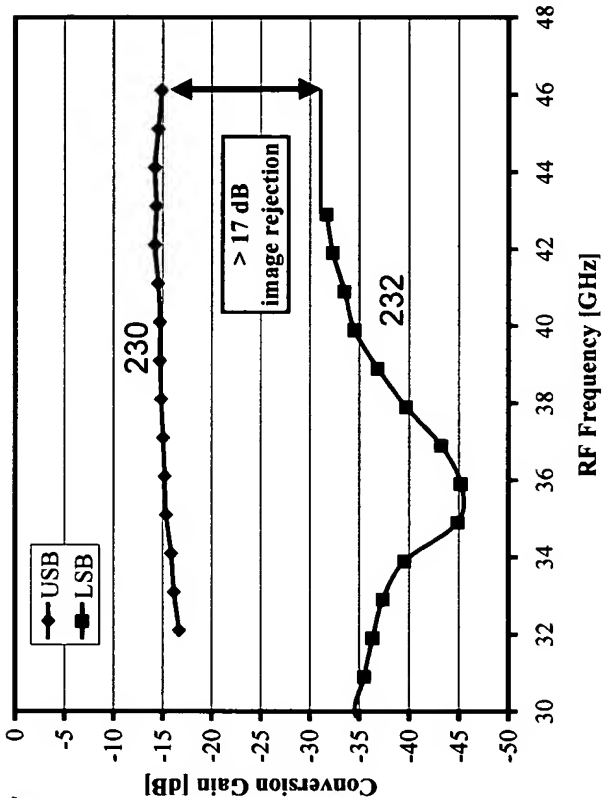


FIG. 11

Performance of Parallel Connected Mixer  
 $\eta F = 2.1 \text{ GHz}$ ; PLO = 20 dBm

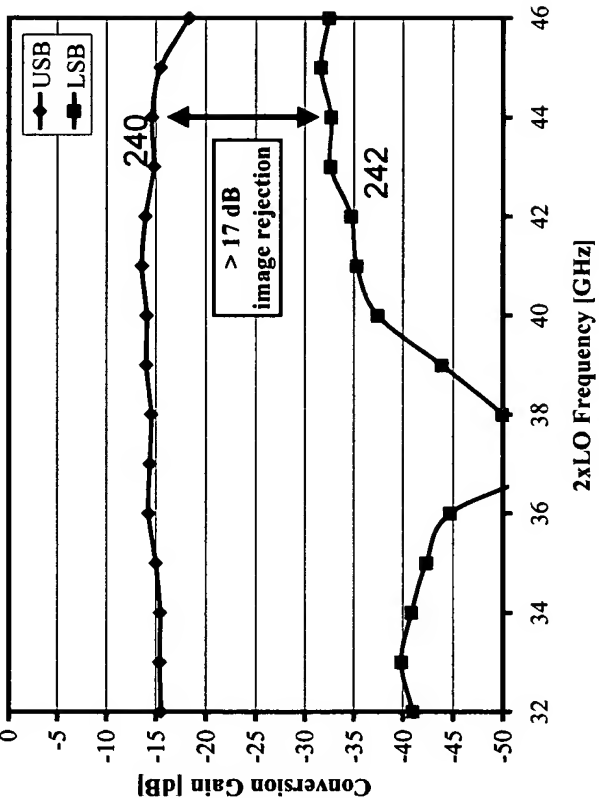


FIG. 12

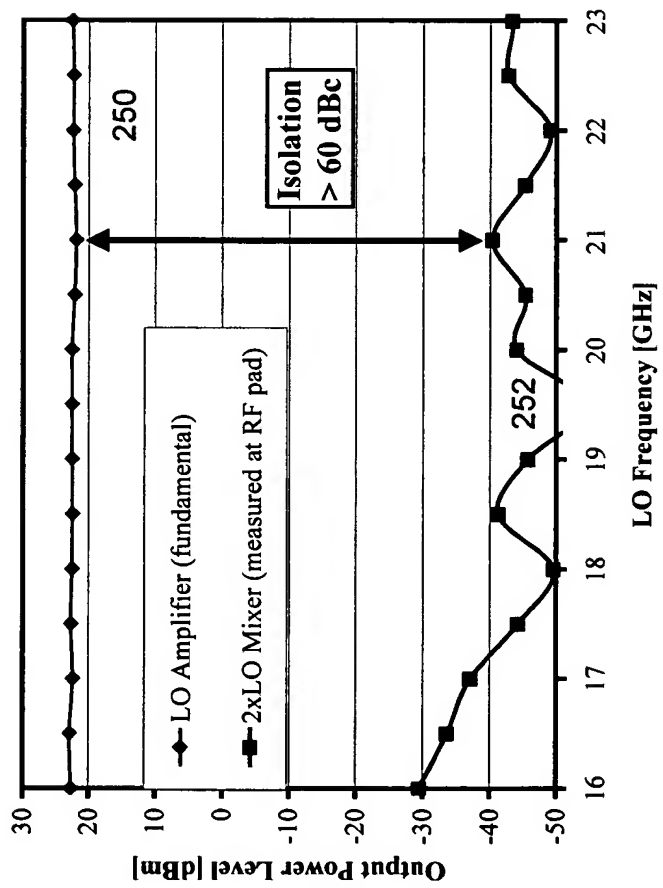
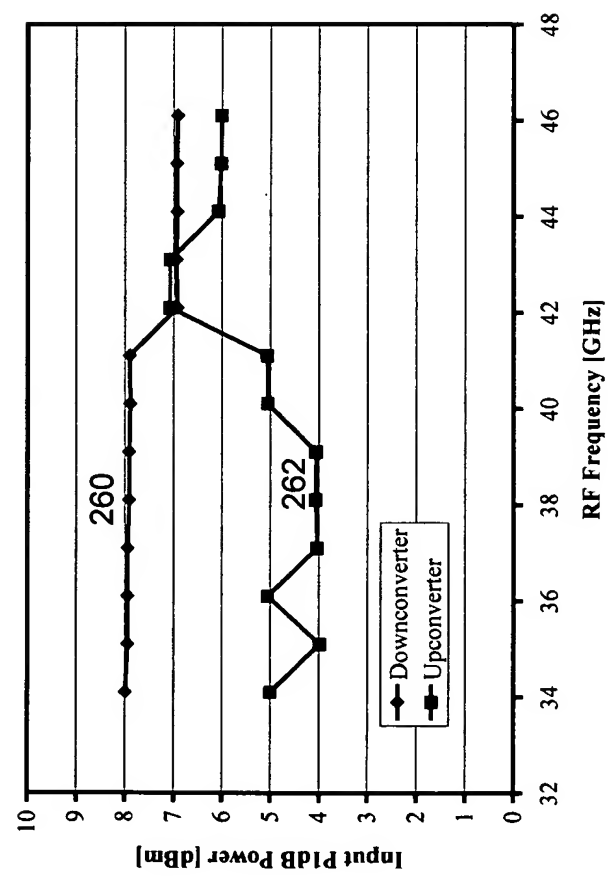


FIG. 13A

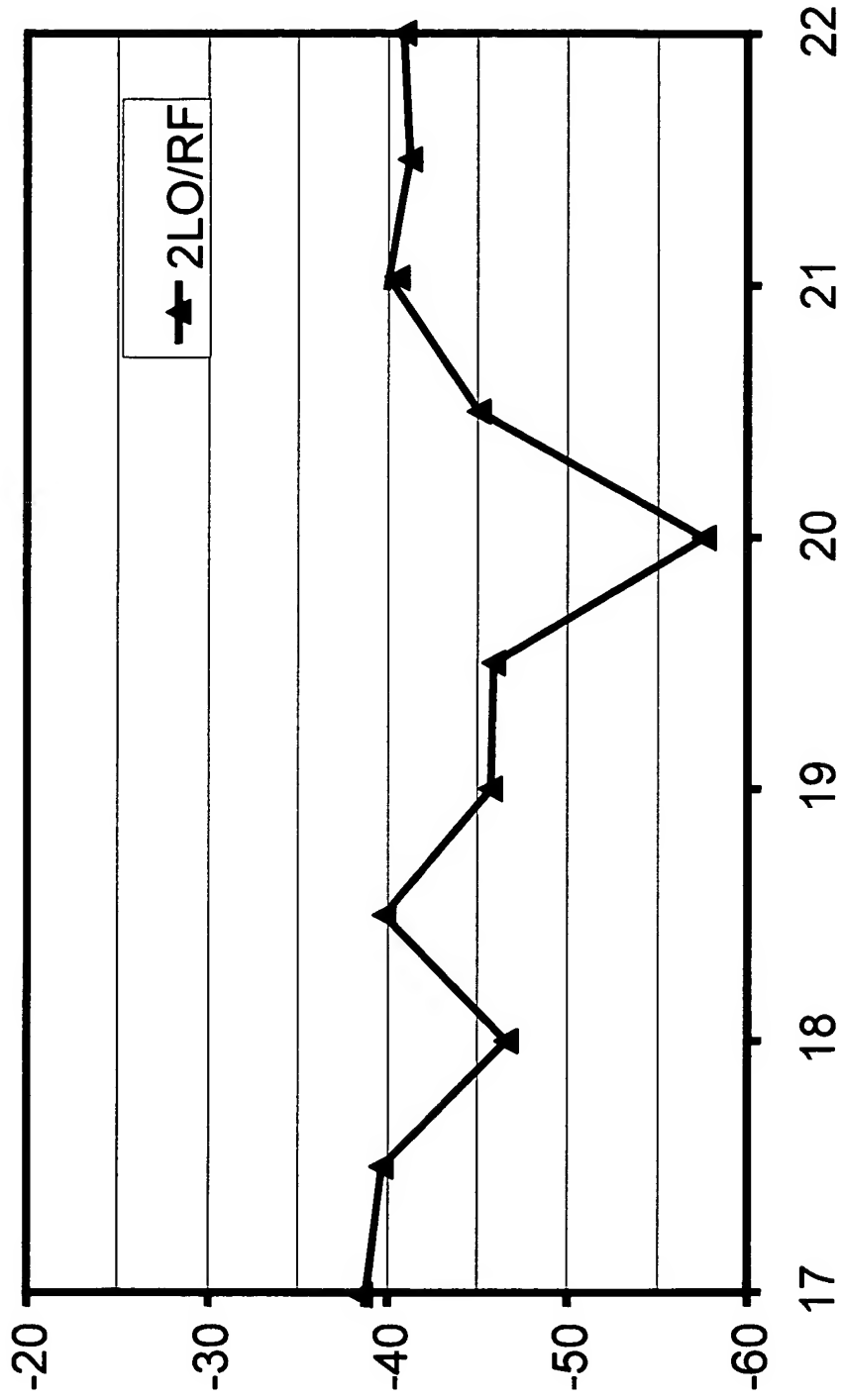


Performance of Parallel Connected Mixer  
fIF = 2.1 GHz; PLO = 20 dBm

FIG. 14

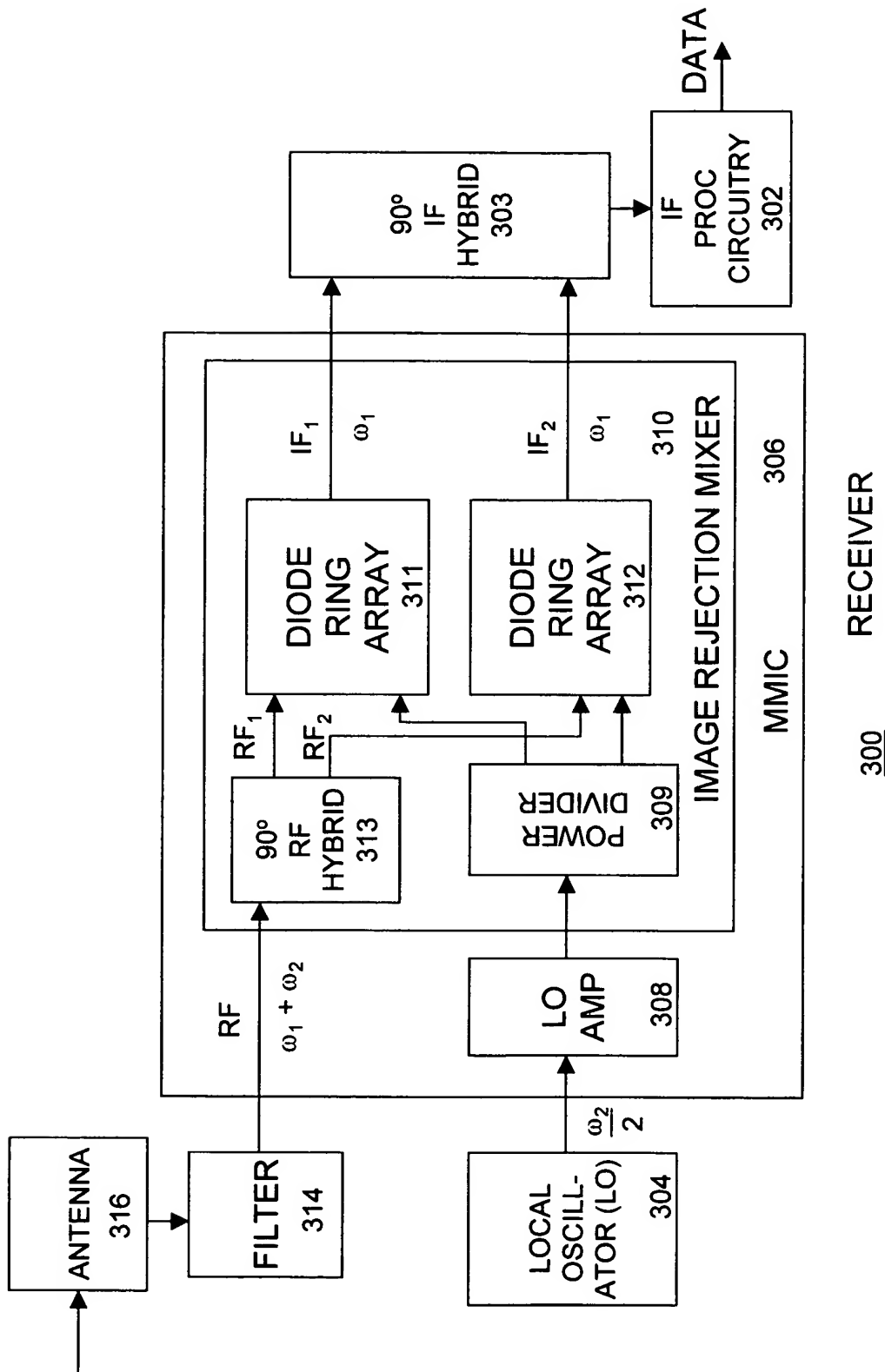
P1G40\_V5;  $f_{IF}=2.1\text{GHz}$ ;  $P_{LO}=20\text{ dBm}$

2XLO Power Level [dBm]



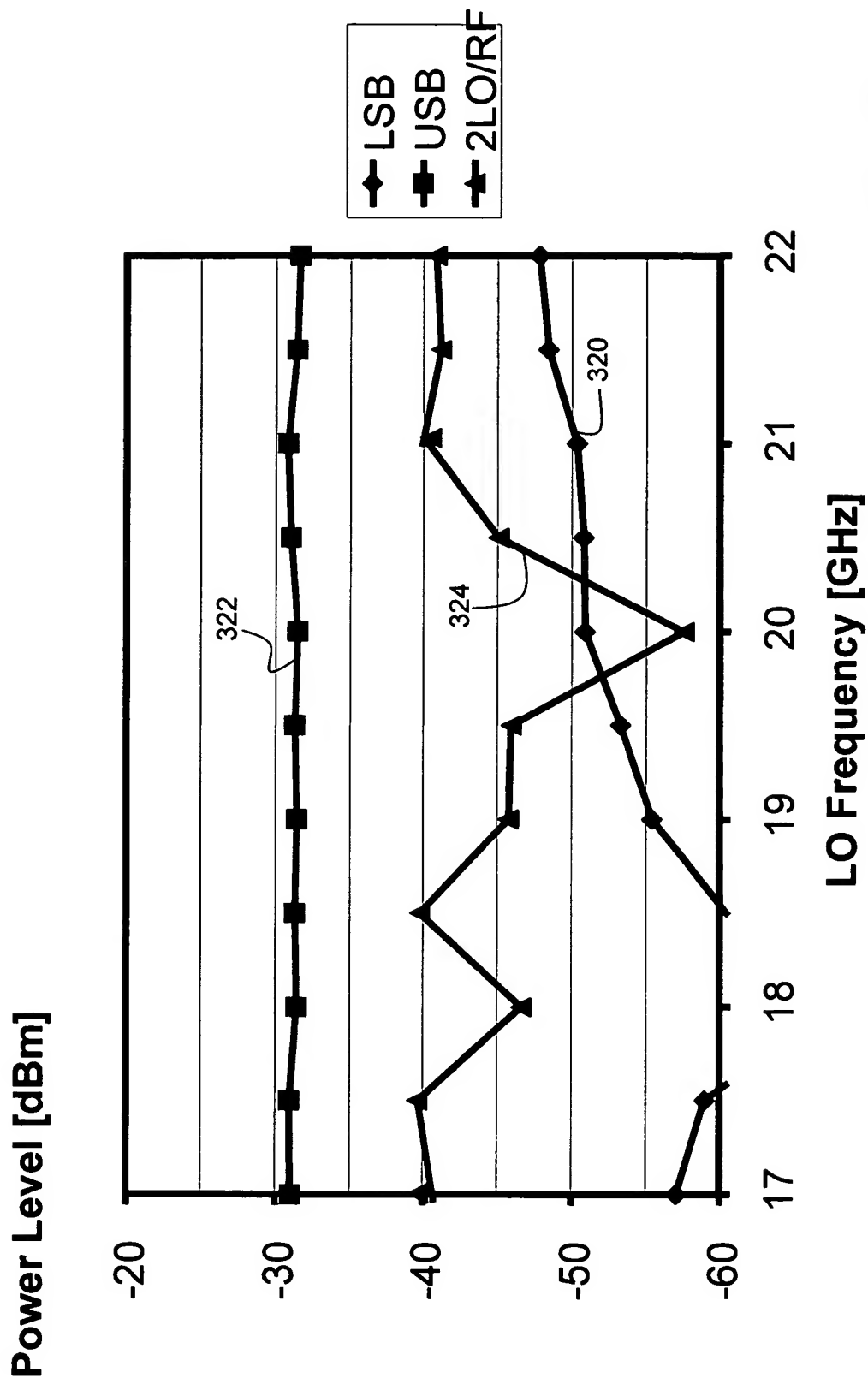
LO Frequency [GHz]

FIG. 13B



**FIG. 15**

**Performance of Series Connected Mixer**  
**fIF = 2.1 GHz; PLO = 20 dBm**



**FIG. 16**

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